

**Translation**

**PATENT COOPERATION TREATY**

**PCT**

**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**  
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

|   |   |   |
|---|---|---|
| Applicant's or agent's file reference<br><b>RL 594 PCT</b>  | FOR FURTHER ACTION<br>See Form PCT/IPEA/416                     |   |
| International application No.<br><b>PCT/EP2004/006767</b>   | International filing date (day/month/year)<br><b>23.06.2004</b> | Priority date (day/month/year)<br><b>24.07.2003</b> |
| International Patent Classification (IPC) or national classification and IPC<br><b>B60R13/02, B62D25/24</b> |   |   |
| Applicant<br><b>A. RAYMOND &amp; CIE</b>  |   |   |

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|--|--|
| <p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>5</u> sheets, as follows:</p> <p><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p> |  |
| <p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2), with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>   |  |

|   |                                   |
|---|-----------------------------------|
| Date of submission of the demand        | Date of completion of this report |
| Name and mailing address of the IPEA/EP | Authorized officer                |
| Facsimile No.                           | Telephone No.                     |

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/006767

## Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language \_\_\_\_\_ which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 4-8 \_\_\_\_\_ as originally filed/furnished
- pages\* 1-3 \_\_\_\_\_ received by this Authority on 19.05.2005 with letter of 17.05.2005
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the claims:
- nos. \_\_\_\_\_ as originally filed/furnished
- nos.\* \_\_\_\_\_ as amended (together with any statement) under Article 19
- nos.\* 1-5 \_\_\_\_\_ received by this Authority on 19.05.2005 with letter of 17.05.2005
- nos.\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the drawings:
- sheets 1/5-5/5 \_\_\_\_\_ as originally filed/furnished
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/006767

| Box No. V  | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |            |     |
|--|---|------------|-----|
| 1. Statement   |   |            |     |
| Novelty (N)  | Claims  | <u>1-5</u> | YES |
|  | Claims  |            | NO  |
| Inventive step (IS)  | Claims  | <u>1-5</u> | YES |
|  | Claims  |            | NO  |
| Industrial applicability (IA)  | Claims  | <u>1-5</u> | YES |
|  | Claims  |            | NO  |
| 2. Citations and explanations (Rule 70.7)  |   |            |     |
| 1 This report makes reference to the following document:   |   |            |     |
| D1: US 3 851 794 A (HEHL K) 3 December 1974<br>(1974-12-03)  |   |            |     |
| D1, which is considered to be the closest prior art, discloses (see figures and column 1, line 69 to column 3, line 16):   |   |            |     |
| a cap for sealing an opening in a base part 7, said cap having a outer marginal flange 2, 4 that can be introduced into the opening, a shielding section 3 that extends past the marginal flange 2, 4, and hot melt adhesive 6 provided in the region of the shielding section 3 and plastically deformable when heated above a softening temperature; on the marginal flange 2, 4, a detent collar 2 is provided which engages behind when the cap is introduced into the opening of the base part 7; a joint region having less flexural strength relative to the shielding section 3 is provided between the marginal flange 2, 4 and the shielding section 3; and the distance between the contact regions of the detent collar 2 engaging |   |            |     |

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

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Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

behind and underside of the hot melt adhesive 6 facing the marginal flange 2, 4 is smaller than the thickness of the base part 7 in the edge area of the opening (see figures 1 and 2) so that when the cap is introduced into the opening, prestress is generated in the joint region, from which the subject matter of claim 1 differs in that, **a groove-like transition section which is filled with hot melt adhesive and which is open in the direction of the outer edge of the shielding section is provided between the shielding section and the joint region.**

**The subject matter of claim 1 is therefore novel (PCT Article 33(2)).**

The problem to be solved by the present invention can therefore be regarded as that of **improving the connection between the shielding section and the hot melt adhesive.**

The solution to this problem as proposed in claim 1 of the present application involves an inventive step for the following reasons (PCT Article 33(3)):  
**the binding force of the hot melt adhesive is mechanically strengthened by the shape of the transition section.**

Claims 2 to 5 are dependent on claim 1 and therefore also meet the PCT requirements for novelty and inventive step.